



If we were in your shoes...

Evan Shaw & Ivonne Hernandez

Air Quality Division

Mecklenburg County Land Use and Environmental Services Agency

MECKLENBURG COUNTY

AIR QUALITY

Mecklenburg County Air Quality Activities Timeline

January

-Annual Administering & Compliance Monitoring Fee and Annual Verification Form due date

-Annual Reporting Calendars are emailed to facility contacts

August

-ACE Award Program Certificates are mailed

May

-MCAQ Compliance Workshop

April

-Annual emission report due date

July

-New County fiscal year begins

November

-Annual Air Quality Forum

-Annual Invoice and Verification Form packets are mailed

Other important dates throughout the year that will vary by facility:

- MCAQ Unannounced Inspection
- Reporting requirements beyond the annual report
- Other air permit requirements required by your facility such as monitoring, recordkeeping, and performance testing



Common Violations in 2017

- Monitoring and Recordkeeping – 29%
- Reporting – 29%
- Operating Unpermitted Equipment – 18%
- Work Practices – 12%
- Emissions Exceedances – 12%



Monitoring

- What?
- Who?
- How?
- How often?
- Where?

EMISSION SOURCE/ CONTROL DEVICE	OPERATING PARAMETER	PARAMETER RANGE	MINIMUM MONITORING FREQUENCY (Once per...)
Mechanical Collector (cyclones) (Wood Fired Boilers)	Pressure drop across collector	0.5 – 4 inches of H ₂ O	Month
Wood Fired Boilers	Moisture content of wood that is used as fuel for Wood-Fired Boilers <u>in order to</u> demonstrate specific emission factors can be used		Month
Electrostatic Precipitators	Primary and secondary voltages (currents and kilowatts)	<u>Primary:</u> VAC: 145 - 400 AAC: 3.5 - 29 <u>Secondary:</u> <u>kVDC:</u> 26 - 56 <u>mADC:</u> 13 - 163	Month
Emergency Generators	Number of hours each emergency generator operated		Month

Recordkeeping

40 CFR 63 Subpart 6J (Boilers) Records (ES-1, ES-2, ES-3, ES-4)

1. Biennial Compliance Certification Report (General Boiler Info, Tune-up Procedures, Manufacturer Specs, etc.)
2. One Time Energy Assessment Report (For each boiler required to conduct an energy assessment, keep a copy of the energy assessment report)
3. Tune-up Records (identify each boiler, date of tune-up, procedures followed for tune-up, and manufacturer's specifications by which the boiler was tuned)
4. Amount and type of fuel used

40 CFR 60 Subpart Dc (Boilers) Records (ES-18, ES-19)

1. Fuel supplier certification records
2. Amount and type of fuel used

*If fuel oil is burned instead of natural gas, a visual emissions test is required per Subpart Dc

40 CFR 60 Subpart 4I (Generators) Records (ES-9, ES-10, ES-11)

1. Hours of operation
2. Records of ULSD fuel
3. Documentation of how equipment was used during hours of operation, including what classified it as emergency if applicable (i.e. power outage)

40 CFR 63 Subpart 4Z (Generators) Records (ES-7, ES-17)

1. Hours of operation
2. Documentation of how equipment was used during hours of operation, including what classified it as emergency if applicable (i.e. power outage)
3. Maintenance records to include:
 - Oil and filter change every 500 hours run or annually
 - Inspect air cleaner every 1,000 hours or annually
 - Inspect hoses/belts every 500 hours or annually

- What?
- Who?
- How?
- How often?
- Where?

Website


<http://airquality.charmeck.org>

Web Sources Handout

Air Quality

Print Share

Google Custom Search



AIR QUALITY

Your local resource
Contact Us 704-336-5430

AIR QUALITY DATA | REGULATED INDUSTRY | MOTOR VEHICLES | COMMUNITY INFORMATION

Air Quality Awareness Week

April 30 - May 4, 2018

Be Air Aware! Summer months are when the Charlotte region is most likely to experience poor air quality days. Use the Air Quality Index and the widget below to keep track of forecasted and current air quality conditions. You can also:

- Subscribe to Air Quality Alerts
- Learn how to protect your lungs on poor air quality days
- Help reduce air pollution using these tips

Monday, May 7, 2018

Tomorrow
Forecast: Good
Pollutant: Ozone



Your AQ Specialist

Please share your thoughts!

Of the following MCAQ-created compliance assistance tools, which ones have you <u>used</u> ?	Yes, I Use This (✓)	If you use it, how would you rate its usefulness?				
		← Not Useful		→ Very Useful		
1. Baghouse/Scrubber Monitoring Logs		1	2	3	4	5
2. Air Quality Email Alerts (GovDelivery)		1	2	3	4	5
3. Do I Need <u>An</u> Air Permit Online Applicability Determination Form		1	2	3	4	5
4. MCAQ Emissions Workbook/Informational Video		1	2	3	4	5
5. Past Workshop Archived Presentations		1	2	3	4	5
6. Air Pollution Facility Database (EPIC Online)		1	2	3	4	5
7. Instructions Pages on Emissions Spreadsheets		1	2	3	4	5
8. MCAQ Annual Reporting Calendar/Report Tracker		1	2	3	4	5
9. Inspection Checklists		1	2	3	4	5
10. Other: _____		1	2	3	4	5

Which of these tools do you use the most? _____

Which of these tools is your favorite? _____

Please provide any topics/ideas for which you would like to see compliance assistance resources developed:

Any other thoughts or comments you would like to share:

Optional Information:

Name _____

Facility _____

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Questions?

Evan.Shaw@MecklenburgCountyNC.gov

980-314-3358

Ivonne.Hernandez@MecklenburgCountyNC.gov

980-314-3369

